

Abstract of the Disclosure

In the adaptive wireless network system having a central optimizer and a method thereof, and in the record medium capable of being read through a computer having a writing of a program to realize the inventive method, in which information for a use wave environment of a corresponding subnet is gained from an access point regardless of a sort of wireless communication instruments so as to apply an optimum transmission/reception type of the corresponding subnet thereto; the system includes an optimizing unit for selecting optimum transmission/reception types of sub networks and transmitting them; an access point determining unit for providing node activity representative data and activity representative data of access point itself, to the optimizing unit, and determining it as the optimum transmission/reception type; and a communication node determining unit for re-determining its own transmission/reception type according to a requirement of the access point determining unit.